



PHOENIX

TECHNOLOGY SERVICES USA INC.

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

Celebrating 20 Years of Focused Solutions

June 22, 2020

Oil Conservation Division
State of New Mexico
1625 N. French Drive
Hobbs, New Mexico 88240

Dear District 1 - Hobbs

Attention: Regulatory Department

Re: Mewbourne Oil
Red Hills West Unit No. 10H
Lea County, New Mexico
API #30-025-46909
Job No. 66545

HOBBS OCD
JUL 3 4 2020
RECEIVED

HOBBS OCD
JUL 3 4 2020
RECEIVED

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Noe Garza	10H	0	11,254	5/31/20	5/31/20	Gyro

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Brittany Carley

Brittany Carley
Operations Administrator

SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964



Company: Mewbourne

Job #: 66545

Well Name: Red Hills West Unit No. 10H

County/State: Lea Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-025-46909

TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
5/31/2020	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
5/31/2020	11254	1.57	79.41

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.35

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

Date: 5/31/2020

Print Name: Noe Garza

Signature: _____

A handwritten signature in black ink, appearing to read 'Noe Garza', written over a horizontal line.



Company: Mewbourne
 Well: Red Hills West Unit No. 10H
 Location: Lea Co., New Mexico
 Rig: Patterson 562

Job Number: 66545
 Grid Corr.: -0.35
 Lat: 32.050694
 Long: -103.66741

Date: 05/31/20
 Calculation Method: Minimum Curvature
 Vertical Section AZI: 1.76
 RKB - MSL in feet: 27
 Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)										
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	200.00	0.49	102.10	200	200.00	-0.15	0.18 S	0.84 E	0.86	102.10	0.24	0.25	51.05
	400.00	2.08	155.29	200	399.94	-3.56	3.66 S	3.19 E	4.85	138.90	0.91	0.80	26.60
	600.00	1.78	165.34	200	599.83	-9.78	9.96 S	5.49 E	11.37	151.12	0.23	-0.15	5.03
	800.00	2.03	119.78	200	799.73	-14.43	14.72 S	9.35 E	17.44	147.57	0.75	0.13	-22.78
	1000.00	2.19	109.56	200	999.60	-17.26	17.76 S	16.03 E	23.93	137.93	0.20	0.08	-5.11
	1200.00	2.07	115.46	200	1199.46	-19.88	20.59 S	22.89 E	30.79	131.98	0.12	-0.06	2.95
	1400.00	1.44	106.15	200	1399.36	-21.96	22.85 S	28.57 E	36.58	128.65	0.34	-0.32	-4.65
	1600.00	1.48	93.37	200	1599.30	-22.65	23.70 S	33.56 E	41.08	125.23	0.16	0.02	-6.39
	1800.00	1.80	83.56	200	1799.22	-22.28	23.50 S	39.26 E	45.75	120.90	0.21	0.16	-4.91
	2000.00	1.24	90.06	200	1999.15	-21.77	23.15 S	44.54 E	50.20	117.46	0.29	-0.28	3.25
	2200.00	1.78	72.59	200	2199.08	-20.68	22.22 S	49.67 E	54.41	114.10	0.35	0.27	-8.74
	2400.00	2.65	92.33	200	2398.93	-19.71	21.48 S	57.26 E	61.15	110.56	0.57	0.44	9.87
	2600.00	2.38	91.05	200	2598.74	-19.70	21.74 S	66.03 E	69.51	108.23	0.14	-0.14	-0.64
	2800.00	1.69	90.96	200	2798.61	-19.61	21.87 S	73.13 E	76.33	106.65	0.35	-0.35	-0.05
	3000.00	2.21	110.97	200	2998.50	-20.84	23.30 S	79.68 E	83.01	106.30	0.42	0.26	10.01
	3200.00	2.21	103.02	200	3198.35	-22.86	25.55 S	87.04 E	90.71	106.36	0.15	0.00	-3.98
	3400.00	2.32	94.67	200	3398.19	-23.82	26.74 S	94.83 E	98.53	105.75	0.17	0.05	-4.18
	3600.00	1.83	92.04	200	3598.06	-24.04	27.19 S	102.05 E	105.61	104.92	0.25	-0.25	-1.32
	3800.00	1.95	87.99	200	3797.95	-23.83	27.18 S	108.65 E	111.99	104.05	0.09	0.06	-2.03
	4000.00	2.13	90.04	200	3997.82	-23.50	27.06 S	115.76 E	118.88	103.16	0.10	0.09	1.03
	4200.00	2.35	104.23	200	4197.67	-24.27	28.07 S	123.45 E	126.61	102.81	0.30	0.11	7.10
	4400.00	2.27	108.44	200	4397.51	-26.29	30.34 S	131.19 E	134.65	103.02	0.09	-0.04	2.11
	4600.00	2.12	105.67	200	4597.36	-28.32	32.59 S	138.51 E	142.29	103.24	0.09	-0.08	-1.39
	4800.00	2.43	99.76	200	4797.21	-29.80	34.31 S	146.25 E	150.22	103.20	0.19	0.16	-2.96
	5000.00	3.41	106.87	200	4996.94	-31.94	36.75 S	156.12 E	160.38	103.25	0.52	0.49	3.56
	5200.00	3.35	105.27	200	5196.60	-34.85	40.02 S	167.45 E	172.16	103.44	0.06	-0.03	-0.80
	5400.00	2.64	107.53	200	5396.32	-37.47	42.94 S	177.48 E	182.60	103.60	0.36	-0.36	1.13
	5600.00	2.36	105.49	200	5596.13	-39.70	45.43 S	185.84 E	191.31	103.74	0.15	-0.14	-1.02



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							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	5800.00	2.91	100.02	200	5795.92	-41.41	47.41 S	194.80 E	200.49	103.68	0.30	0.28	-2.74
	6000.00	2.49	99.91	200	5995.70	-42.75	49.04 S	204.08 E	209.89	103.51	0.21	-0.21	-0.05
	6200.00	2.15	96.77	200	6195.53	-43.70	50.23 S	212.09 E	217.96	103.33	0.18	-0.17	-1.57
	6400.00	2.87	104.25	200	6395.34	-45.11	51.91 S	220.67 E	226.69	103.24	0.39	0.36	3.74
	6600.00	2.76	103.29	200	6595.10	-47.15	54.25 S	230.21 E	236.51	103.26	0.06	-0.06	-0.48
	6800.00	2.53	106.92	200	6794.89	-49.27	56.64 S	239.11 E	245.73	103.33	0.14	-0.12	1.82
	7000.00	2.99	109.65	200	6994.65	-52.03	59.68 S	248.25 E	255.32	103.52	0.24	0.23	1.37
	7200.00	2.82	111.73	200	7194.40	-55.31	63.25 S	257.73 E	265.38	103.79	0.10	-0.09	1.04
	7400.00	2.35	107.48	200	7394.19	-58.10	66.31 S	266.21 E	274.35	103.99	0.25	-0.24	-2.13
	7600.00	2.42	112.26	200	7594.02	-60.69	69.14 S	274.03 E	282.62	104.16	0.11	0.03	2.39
	7800.00	2.38	110.29	200	7793.84	-63.49	72.18 S	281.84 E	290.93	104.36	0.05	-0.02	-0.98
	8000.00	2.31	118.39	200	7993.68	-66.61	75.53 S	289.28 E	298.98	104.63	0.17	-0.03	4.05
	8200.00	2.25	114.82	200	8193.52	-69.96	79.10 S	296.39 E	306.76	104.94	0.08	-0.03	-1.79
	8400.00	1.94	112.78	200	8393.38	-72.71	82.06 S	303.07 E	313.98	105.15	0.16	-0.16	-1.02
	8600.00	2.11	109.34	200	8593.26	-75.04	84.59 S	309.67 E	321.01	105.28	0.10	0.09	-1.72
	8800.00	1.90	86.12	200	8793.14	-75.82	85.58 S	316.45 E	327.82	105.13	0.42	-0.11	-11.61
	9000.00	1.86	90.73	200	8993.03	-75.44	85.40 S	323.00 E	334.10	104.81	0.08	-0.02	2.31
	9200.00	2.46	99.67	200	9192.89	-75.97	86.16 S	330.48 E	341.53	104.61	0.34	0.30	4.47
	9400.00	2.87	122.26	200	9392.68	-79.10	89.55 S	338.94 E	350.58	104.80	0.56	0.21	11.30
	9600.00	2.96	106.49	200	9592.42	-82.96	93.69 S	348.13 E	360.52	105.06	0.40	0.04	-7.89
	9800.00	3.83	101.97	200	9792.07	-85.45	96.54 S	359.62 E	372.35	105.03	0.45	0.44	-2.26
	10000.00	3.12	103.29	200	9991.70	-87.73	99.18 S	371.45 E	384.46	104.95	0.36	-0.36	0.66
	10200.00	5.14	128.83	200	10191.19	-94.22	106.05 S	383.73 E	398.11	105.45	1.34	1.01	12.77
	10400.00	1.72	152.20	200	10390.81	-102.23	114.33 S	392.11 E	408.43	106.26	1.81	-1.71	11.69
	10600.00	0.87	162.43	200	10590.75	-106.27	118.43 S	393.97 E	411.38	106.73	0.44	-0.43	5.12
	10800.00	1.85	237.89	200	10790.71	-109.51	121.59 S	391.69 E	410.13	107.25	0.92	0.49	37.73
	11000.00	0.76	14.39	200	10990.68	-110.01	122.02 S	389.28 E	407.96	107.40	1.23	-0.55	-111.75
	11200.00	1.72	85.88	200	11190.64	-108.41	120.52 S	392.61 E	410.69	107.07	0.82	0.48	35.75
	11254.00	1.57	79.41	54	11244.61	-108.17	120.33 S	394.14 E	412.10	106.98	0.44	-0.28	-11.98

BLM/F/E

District I
 1635 N. French Dr., Hobbs, NM 88240
 Phone: (575) 393-6161 Fax: (575) 393-0720
 District II
 811 S. First St., Artesia, NM 88210
 Phone: (575) 748-1283 Fax: (575) 748-9720
 District III
 1000 Rio Brazos Road, Aztec, NM 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87503
 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

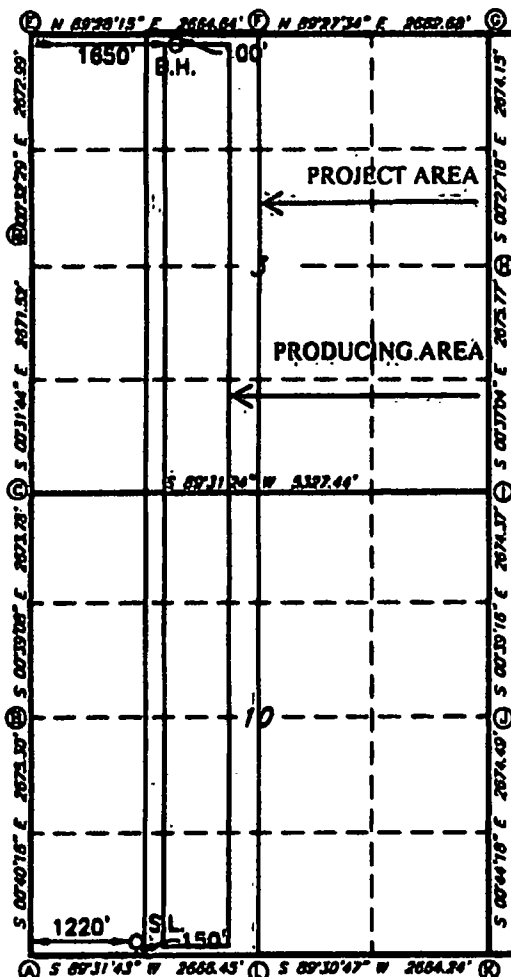
Form C-102
 Revised August 1, 2011
 Submit one copy to appropriate
 District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-46909		2 Pool Code 98065		3 Pool Name UPPER WOLFCAMP	
4 Property Code 39442		5 Property Name RED HILLS WEST UNIT			6 Well Number 10H
7 OGRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3220'
10 Surface Location					
UL or lot no. M	Section 10	Township 26S	Range 32E	Lot 1 dn 150	Feet from the North/South line SOUTH
Feet from the East/West line 1220		East/West line WEST		County LEA	
11 Bottom Hole Location If Different From Surface					
UL or lot no. C	Section 3	Township 26S	Range 32E	Lot 1 dn 100	Feet from the North/South line NORTH
Feet from the East/West line 1050		East/West line WEST		County LEA	
12 Dedicated Acres 320		13 Joint or Infill		14 Consolidation Code	
15 Order No.					

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



GEOMETRIC DATA

NAD 83 GRID - NM EAST

SURFACE LOCATION

N: 382819.8 - E: 747855.1

LAT: 32.0506938° N
LONG: 103.6874071° W

BOTTOM HOLE

N: 393262.8 - E: 747978.0

LAT: 32.0794025° N
LONG: 103.6881828° W

CORNER DATA

NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1939"
N: 382858.6 - E: 748437.1

B: FOUND BRASS CAP "1939"
N: 385331.2 - E: 748403.8

C: FOUND BRASS CAP "1939"
N: 388004.3 - E: 748378.4

D: FOUND BRASS CAP "1939"
N: 390675.8 - E: 748350.7

E: FOUND BRASS CAP "1916"
N: 393347.8 - E: 748328.5

F: FOUND BRASS CAP "1916"
N: 393372.1 - E: 748989.5

G: FOUND BRASS CAP "1916"
N: 393397.2 - E: 751851.5

H: FOUND BRASS CAP "1939"
N: 390723.7 - E: 751872.7

I: FOUND BRASS CAP "1939"
N: 388048.6 - E: 751701.6

J: FOUND BRASS CAP "1939"
N: 385374.9 - E: 751732.1

K: FOUND BRASS CAP "1939"
N: 382701.2 - E: 751768.8

L: FOUND BRASS CAP "1939"
N: 382678.5 - E: 749103.0

"OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or in a voluntary pooling agreement or a compulsory pooling order approved by the division.

Signature: *Bradley Bishop* Date: 6-13-19
 Signature: **BRADLEY BISHOP**

Printed Name: **BBISHOP@MEWBOURNE.COM**
 E-mail Address:

"SURVEYOR CERTIFICATION

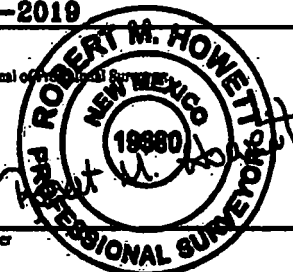
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

06-22-2019

Date of Survey

Signature and Seal of Professional Surveyor

19880
 Certificate Number



RRC-Job No: LS19050818